

Tuzigoot National Monument, Accuracy Assessment Metadata

Identification_Information:

Citation:

Citation_Information:

Originator: U.S. Geological Survey

Originator: Department of the Interior

Publication_Date: 199705

Title: Tuzigoot National Monument Accuracy Assessment

Geospatial_Data_Presentation_Form: database and report

Series_Information:

Series_Name: USGS-NPS Vegetation Mapping Program

Issue_Identification: Tuzigoot National Monument

Publication_Information:

Publication_Place: Denver, CO

Publisher: USGS Biological Resources Division, Center for Biological Informatics

Online_Linkage: http://biology.usgs.gov/npsveg/tuzi/index.html#accuracy_assessment_info

Description:

Abstract:

The accuracy assessment field work was performed in May, 1997 to verify the accuracy of the vegetation communities spatial data developed by the USGS-NPS Vegetation Mapping Program for Tuzigoot National Monument. The data points were randomly distributed stratified according to vegetation association over the project area according to protocols developed by the Program. Points were located by GPS navigation and the community information was collected at the point, without knowledge of the attributes of the vegetation spatial data.

Purpose:

To verify the accuracy of the mapped vegetation communities at Tuzigoot National Monument

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 199705

Currentness_Reference: Source of data collection

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -112.028

East_Bounding_Coordinate: -112.017

North_Bounding_Coordinate: 34.78583

South_Bounding_Coordinate: 34.6584

Description_of_Geographic_Extent: Tuzigoot National Monument, Nebraska and environs.

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: National Park Service

Theme_Keyword: U.S. Geological Survey

Theme_Keyword: vegetation classification

Theme_Keyword: accuracy assessment

Theme_Keyword: sampling plots

Theme_Keyword: alliance

Theme_Keyword: association

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Arizona
Place_Keyword: Verde Valley
Place_Keyword: Cottonwood
Place_Keyword: Tuzigoot National Monument
Place_Keyword: Yavapai county
Place_Keyword: Verde Valley
Place_Keyword: Verde River
Place_Keyword: Clarkdale

Taxonomy:

Keywords/Taxon:

Taxonomic_Keyword_Thesaurus: None
Taxonomic_Keywords: vegetation classification
Taxonomic_Keywords: Standardized National Vegetation Classification System
Taxonomic_Keywords: alliance
Taxonomic_Keywords: community association

Taxonomic_System:

Classification_System/Authority:

Classification_System_Citation:

Citation_Information:

Originator: U.S. Government; Federal Geographic Data Committee
Publication_Date: 19971022
Title: National Vegetation Classification Standard (NVCS)
Geospatial_Data_Presentation_Form: document
Publication_Information:
Publication_Place: Washington D.C.
Publisher: Federal Geographic Data Committee
Online_Linkage: http://www.fgdc.gov/standards/status/sub2_1.html

Taxonomic_Procedures:

Vegetation alliances were identified; no specimens nor vouchers were collected as a part of this process

Taxonomic_Completeness:

Conforms with FGDC standardized vegetation classification system.

Taxonomic_Classification:

Taxon_Rank_Name: Kingdom
Taxon_Rank_Value: Plantae

Access_Constraints: None

Use_Constraints:

Any person using the information presented here should fully understand the data collection and compilation procedures, as described in these metadata, before beginning analysis. The burden for determining fitness for use lies entirely with the user. For purposes of publication or dissemination, citation or credit should be given to the U.S. Geological Survey and the National Park Service.

Point_of_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Person: USGS-NPS Vegetation Mapping Program Coordinator

Contact_Organization:

USGS Biological Resources Division, Center for Biological Informatics

Contact_Address:

Address_Type: Physical Address

Address: USGS

Address: Biological Resources Division, CBI

Address: Building 810, Room 8000

City: Denver

State_or_Province: Colorado

Postal_Code: 80225-0046

Country: USA

Contact_Address:

Address_Type: Mailing Address

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Address: Biological Resources Division, CBI

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Contact_Facsimile_Telephone: 303-202-4219 (org)

Contact_Electronic_Mail_Address: gs-b-npsveg@usgs.gov

Browse_Graphic:

Browse_Graphic_File_Name: <http://biology.usgs.gov/npsveg/tuzi/images/tuziaa.gif>

Browse_Graphic_File_Description:

63 kbyte file showing vegetation associations and location of accuracy assessment points

Browse_Graphic_File_Type: GIF

Native_Data_Set_Environment: text file

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

The attributes for the accuracy assessment were recorded in the field in May, 1997. Vegetation associations were identified based on the field key and plant identification. If additional communities were found within a 50 meter radius of the plot center, they were recorded as well. During the analysis, it was concluded that some attributes were in error and changed to match the mapped attributes. This was done by examination of the aerial photographs under stereoscopic view. The attributes were in error due to 1) spatial error in the GPS derived coordinates (4-8 meters), 2) change of vegetation community due to temporal changes, or differences between observation team identifications.

Logical_Consistency_Report:

All attributes are codes that correspond to vegetation communities and have been checked for typographical and logical errors.

Completeness_Report:

All points were collected and analyzed. Several points fell outside the mapping area, so were discarded.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

X,Y UTM coordinates representing each of the 35 plots were collected by P-code PLGR (Precise Lightweight GPS Receiver) receivers, with an accuracy ranging from +/- 10 m. to +/- 30 m. based on 60 second averaging at each point.

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report: Not applicable

Lineage:

Methodology:

Methodology_Type: Field

Methodology_Identifier:

Methodology_Keyword_Thesaurus: None

Methodology_Keyword: Accuracy Assessment

Methodology_Description:

Data points were located by use of a PLGR GPS receiver. Vegetation communities were identified on the basis of a dichotomous field key and plant species present.

Methodology:

Methodology_Type: Lab

Methodology_Identifier:

Methodology_Keyword_Thesaurus: None

Methodology_Keyword: Accuracy Assessment

Methodology_Description:

Accuracy assessment points were compiled into an ARCINFO point coverage and intersected with the vegetation community coverage. The resulting INFO file was exported into a text file, imported into a spreadsheet, and the attributes from the accuracy assessment and the spatial data were compared. If the attributes did not compare, an analysis of the mismatch was made and either the AA attribute or the map attribute was changed based on identification of the community on the aerial photo.

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. National Biological Survey

Originator: U.S. National Park Service

Originator: Department of the Interior

Publication_Date: 199411

Title: Accuracy Assessment Procedures, NBS/NPS Vegetation Mapping Program

Geospatial_Data_Presentation_Form: procedures document

Publication_Information:

Publication_Place: Denver, CO

Publisher:

USGS, Biological Resources Division, Center for Biological Informatics

Other_Citation_Details:

Prepared by: Environmental Systems Research Institute; Redlands, CA and
National Center for Geographic Information and Analysis, University of
California, Santa Barbara, CA and The Nature Conservancy, Arlington, VA under
contract from U.S. Department of the Interior National Biological Survey and
National Park Service.

Type_of_Source_Media: electronic document

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 199411

Ending_Date: Present

Source_Currentness_Reference: publication date

Source_Citation_Abbreviation: Accuracy Assessment Procedures Document

Source_Contribution:

This document established the procedures and protocols for the accuracy assessment
at Tuzigoot National Monument.

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Geological Survey

Originator: Department of the Interior

Publication_Date: 199705

Title:

Tuzigoot National Monument Spatial Vegetation Data: Cover type / Association level of the
National Vegetation Classification System

Geospatial_Data_Presentation_Form: report

Series_Information:

Series_Name: USGS-NPS Vegetation Mapping Program

Issue_Identification: Tuzigoot National Monument

Publication_Information:

Publication_Place: Denver, CO

Publisher:

USGS, Biological Resources Division, Center for Biological Informatics

Other_Citation_Details:

Created in large part by Environmental Systems Research Institute, Inc. Redlands, CA under contract from USGS/BRD/CBI.

Type_of_Source_Media: Disc

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 19950725

Source_Currentness_Reference: ground condition

Source_Citation_Abbreviation: Spatial data of vegetation communities for Tuzigoot National Monument.

Source_Contribution:

The vegetation spatial data were tested for accuracy with the AA data.

Process_Step:

Process_Description:

The accuracy assessment field work was performed in May, 1997 to verify the accuracy of the vegetation communities spatial data developed by the USGS-NPS Vegetation Mapping Program for Tuzigoot National Monument. The data points were randomly distributed stratified according to vegetation association over the project area according to protocols developed by the Program.

Points were located by GPS navigation and the community information was collected at the point, without knowledge of the attributes of the vegetation spatial data.

Source_Used_Citation_Abbreviation: Spatial data of vegetation communities for Tuzigoot National Monument.

Source_Used_Citation_Abbreviation: Accuracy Assessment Procedure Document

Process_Date: 199810

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Point

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: Universal Transverse Mercator

Universal_Transverse_Mercator:

UTM_Zone_Number: 12

Transverse_Mercator:

Longitude_of_Central_Meridian: -111

Latitude_of_Projection_Origin: 0

False_Easting: 500000

False_Northing: 0

Scale_Factor_at_Central_Meridian: .9996

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: Coordinate Pair

Coordinate_Representation:

Abscissa_Resolution: 1

Ordinate_Resolution: 1

Planar_Distance_Units: Meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137

Denominator_of_Flattening_Ratio: 298.257

Entity_and_Attribute_Information:

Overview_Description:

Entity_and_Attribute_Overview:

The National Vegetation Classification Standard is organized hierarchically to support conservation and resource stewardship applications across multiple scales. The upper levels of the hierarchy are based on the physical form or structure of the vegetation (physiognomy) and have been refined from the international standards developed by the United Nations Educational, Scientific, and Cultural Organization (UNESCO). The two most detailed levels of the hierarchy are based on the species composition of existing vegetation (floristics) and reflect the phyto-sociological standards that were originally developed by European ecologists. The vegetation classification is continually advanced through the collection and analysis of new field data and will be greatly strengthened during the course of the USGS-NPS mapping efforts. Data file attributes include species, alliance, community element, and land cover.

Entity_and_Attribute_Detail_Citation:

Grossman, D. Et al. 1994. National Park Service/National Biological Service Vegetation Mapping Project, Standardized National Vegetation Classification System 209 pp.

Distribution_Information:

Distributor:

Contact_Information:

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Contact_Organization: Center For Biological Informatics, USGS/BRD

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City: Denver

State_or_Province: Colorado

Postal_Code: 80225

Country: USA

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Distribution_Liability:

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Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Format_Name: HTML

Digital_Transfer_Option:

Online_Option:

Computer_Contact_Information:

Network_Address:

Network_Resource_Name: http://biology.usgs.gov/npsveg/tuzi/index.html#accuracy_assessment_info

Fees: None

Metadata_Reference_Information:

Metadata_Date: 20011022

Metadata_Review_Date: 20060907

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: USGS-NPS Vegetation Mapping Program Coordinator

Contact_Address:

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City: Denver

State_or_Province: Colorado

Postal_Code: 80225

Country: USA

Contact_Voice_Telephone: (303) 202-4220

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Contact_Electronic_Mail_Address: gs-b-npsveg@usgs.gov

Metadata_Standard_Name: FGDC-STD-001.1-1999 Content Standard for Digital Geospatial Metadata, 1998 Part 1:
Biological Data Profile, 1999

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Extensions:

Online_Linkage: <http://biology.usgs.gov/fgdc.bio/bionwext.txt>

Profile_Name: Biological Data Profile FGDC-STD-001.1-1999